



creative ac adapter model maf115160th

how to repair creative ac adapter model maf115160th

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INTRODUCTION

"dead" ac adapter maybe revived again

often just the internal thermal fuse is blown

open the housing, solder a new thermal fuse (or just a "bridge" -if no fuse at hand for the moment...), close the housing... done!

remarks:

the original thermal fuse is situated IN the primary circuit where in case of over-current the heat-development is maximal, thus it switches well-

our (possible) replacement is AT the primary circuit (at best!) and wont get the same heat, while IN the circuit the heat-development may be (already) higher so the use of a thermal fuse with a lower rating (85 degrees) is recommended -with the clear disadvantage that it could switch off TOO early, in normal use but eg under higher ambient-temps or bad venting.. could mean you have to replace it again... -possibly the rating of the substitute can thus be higher.... that depends on your specific situation and use -find out-

me, i even leaved the thermal fuse and just soldered a "brigde"... but in case of emergency this could even lead to a burning device!!! so i wont recommend this to the public

p.s. the reason why my ac-adapter initially blew up:

had attached it to a wrong device that awaited DC-current -with a protection diode towards ground in the input- that resulted in short-circuit-current-drain in one half-wave... became quit hot and ...dead...



TOOLS:

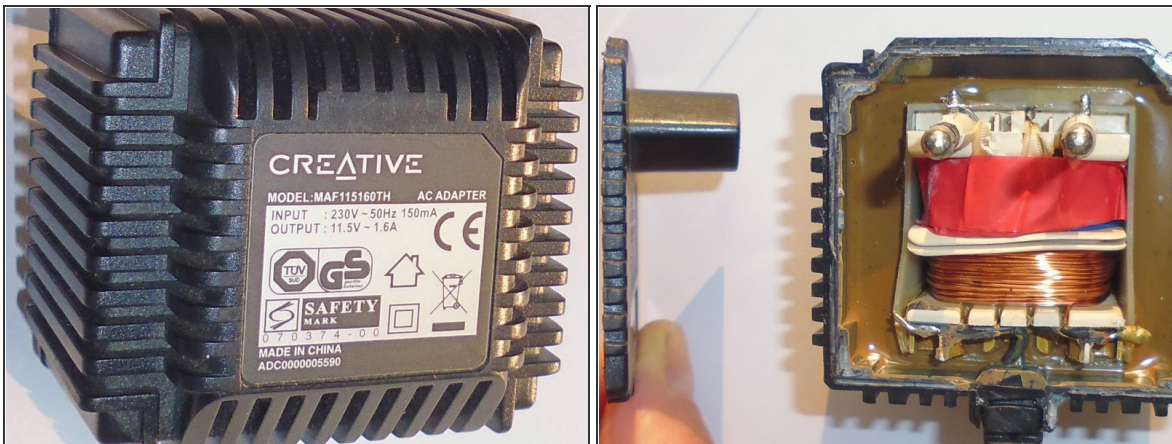
- [knife, soldering iron, thermo-glue](#) (1)



PARTS:

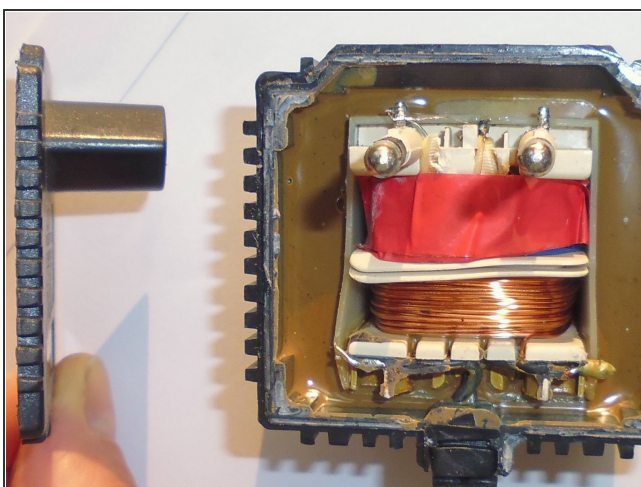
- [1 Piece TF 85 Degrees Celsius Circuit Cut Off Thermal Fuse](#) (1)

Step 1 — panel



- panel view

Step 2 — inside view



- solder the new thermal fuse (or bridge) between the left and the middle contact (in the picture there is just a bridge -above the red tape- ... (had no thermal fuse at hand at first...))

Step 3



- found one 85c in a used li-ion-pack... be VERY careful when soldering NOT to exceed the max. temp meanwhile--- suggest to put a final layer of tape around to get better contact to the coil -where the heat is coming from in case of overload-

close the lid and add eg thermo-glue or just use the soldering-iron and make the housing melt along the pits

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